

ISSUED FROM THE $T$ S PATENT OFFICE FOR THE WEER HNDING MARCH 26, $1867 \%$

PATENTS ARE GRANTED FOR SEVENTEEN PEARS, the following On flifg each Caveat.

On appeal to Comminsioner or Patente.
On application for Relegue.
On application


of Canada and Nova Scotia pay 8500 on application.
Pamphlits contanining the Patent Lampand froll particulars of the mode
plyp fors Letters

63,131.-Machine ror Making Eyelets.-Samuel W. Adams (assignor to the American Eyelet Company), Provi Fi st, I clam the im proved mode of constructing and






 ©3,132.-Sewing Machine.-Frank Armstrong, Waterbury, Conn.


 sel Horth. The employment, in comblnation With the slot ted plate, A, of the
adjurtable slotteu plateo, E, substantually in the manner aud for the purposes
aescribed.

 63,133.-Permutation Lock.-George B
to Alfred A. Oat)
First, Aclaim makin the plug, B, cyymdrical and with an annula groove




 63,134.-Shovel-plow Guard.-William J. M. Batchelder, Dayton, Ohio
I claim the shovel-plow guard, E, when constructed substantially as herein
described and ior the purpose specifled. 63,135. - Bee Feeder.-James M. Beebe, Casadaga, N. Y.

 63,136.-Cotton Gin.-John B. Brackett, and Wyman Dear



 63,137.-Steam Generator.-W. Buchanan ${ }_{2}$. New York
City, and J. M. Toucey, Poughkeepsie, N. Y.





08, $138,-$ Mandfacture of Stone Ware.-Edgar T. Chap man, Mliddlebury, Oh1o.

Shovel and Handler.-Fayette Clark Marcellus, N. Y
 tae placing of the weight of grain equally on both hands.
63,140--FENDER FOR CORN PLOW8.-Robert Cook, Franklin


63,141.-Combined Name Plate and Letter Slide.-J. M. Combs, Boston, Mass.



63,142.-Scaffold.-Charles Crow, Onargo, Ill.



| 63,143.-HAND-Power Loom.-J. M. Dean, W. B. Bolding |
| :--- |
| and H. Perry, Dayton, Iowa, assignors to themselves and | and H. Perry, Da


 with the tumbers,
for the purpose ese forth.
63,144 .-Hoor FOR SKIRTs.-Thomas B. De Forest, Birming ham, Conn.
Iclaim, hoops for skir ts formed by ine Introduction of elastic metallic
warpsin the fabrication of the hoop, substantially as described, as a new
article of manutacture.
article of manuracture.
63,145.-Hoor Skirt.-Thomas B. De Forest, Birmingham, Conn.
I claim securing the hoop and tape by one or more Indentations or enlarge
ments of the hoops, sabstantially as herein set forth. 63,146.-Apparatus for Hatching Eggs.-Peter Degive,
New York City. New York City.
I claim the screw, C, and rod, D, or its equivalent In combination with the
tran of gean
as and 63,147. - Seed Planter. - James Edge, Acquackanonck

 63,148.-Steam Motor for Tors.- Philip Ely (assignor to J. M. Keep \& Co.), New York City.

I claim the revopiving boilier, C, provided at the center of its concave bot
tom with a onical projection, which it tite on the rod,

63,149. - Feeding Mechanism for Sewing Machines.George A. Fairfield, Hartford, Conn.


63,150.-Grate For Stoves-Moses P. Farnham, Janes-

 63,151.-Plow.-Joseph Fowler, Hartland, Wis


63,152.-Pump.-Andrew Fuller and Francis J. Bray, BuffaWe claide the elastic strips $A B$ and $B$, in combination with the staff, $A$
and sucker, H, ,ubstantially as described. 63,153. - Bed Bottom. - George L. Gerard, New Haven
Conn. I claim the the combination of the clamp bolt, D, with the slotted spring
A, and tbe bar, $\mathbf{C}$, constructed so as to operate in the manner described. 63,154.-RAEE.-Benj. F. Gladding, Providence, R. I. Ante dated March 10,1867
First, I claim construoting the rake head doable or of two pieces of metal
secured together, substantially in the manner described tor the purpose
specifed specelifend, The combination of a rake head, construnted as desoritbed, and a
foriked siank, the two parts being united, substantially as described. 63,155.-Apparatus for Regulating the Exhauster is First, clasim the withosedecribed regulator consisising of a vessel inclos
 ine throttle valve of the stean engine which drives the fan or other exhaus-
ing device,
 63,156.-Brdele Bit.-William B. Hayden, Columbus, Ohio First, I claim a bridile, or harness bit which has its rein rings attached to
 63,157.-Sash Fastener.-Gustave Franz Hedrich, Buffalo N. Y.
 63,158.-Electric Circuit-Breaking Clock.-Edwin Holmes, New York, N. Y.
 63,159.-Method for Making dies for Figures in Press 33,159.-METHOD FOR MAKING DIES FOR FIGU
DYED FABRIC. John Holt, Lowell, Mass.
I claim the method sabstantially as hereln desoribed of I claim the method substantally as areln dessoribed of
pression dies which produce the tifures in press dyed fabric.
63,160.-Ore Crusher.-Bennet Hotchkiss and S، C. Good sell, New Haven, Conn


 63,161.-Railway Track.-B. B. Hotchkiss, New York I N. Y.
 63,162.-Pavement.-B. B. Hotchkiss, New York, N. Y.

 adapted to prevent the worriug of any of the packing under the wood, suil
adantially as herein specifled. 63,163.-Extension Ladder.-Geo. L
N. Y. Antedated March 15, 1867.
I claim the con.bination ofthe hook A, or the slide B, and socket C, all con-
structed, arranged and operating in the manner and for the purpose speci-
ded
63,164.-NeCktie.-George A. K eene, (assignor to himsel and Jos. E. Manning), Boston, Mass.
I chaim rastenin wing piece, knob band and the strip topether and attach
in the elastic ring by means of the clinch bar, as shown, ilustrated and des
Cribed. 63,165.-Machine for Grinding Cards.-S. G. Ladd and
 63,166.-Wire Bale Tie.-Osborne Macdaniel, New York Iclaim the
63,167.-Tronk.-R. McMurray, Washington, D. C.


63,168.-Fountain Pen.-George R. Melten, St. Louis, Mo assignor to Horace Baldwin Painesville, Ohio Incombination with an air Bitigh and idexible ink sack, which is applied
Within the handloor hulder or a fountain pen so as tobe free to collapse a



 63,169.-Curtain Fixture.- Purches Miles, New. York, N.
Y. Antedated March. 15,1867 . I clay the cord holder g, in comblnat on with a cord for curtain frixtures,
upon which cords are Fnota or projections subutantially as and for the pur.
poses specifled. 63,170--Ash SifTer.-Charles F. Meyer, Troy, N. Y
 mannerand
Second, In


 63.171.-Knife and Watch Key Combined.-E. Q. Morton, (assignor to himself and Alpheus Patten), Bangor, Maine. Antedated, March, 13th, 1867.
I claim as a new, article of, manuracture the aggregation of the pen knife
blade and watch key in one handie as set forth. 63,172.-Cross Bow.- Edward C. H. Nye, Ascushnet, Mass. rclaim the combination of the cross bow, the arrow magazine, and a me.
chaniem for setting and diochating ine cord of the spring of the bow the
whole being eubstantially an he e abeot descibed. 63,173.-Rounding Jacks for Trimming Brims of Hats.-
Starr Polley, (assignor to Ambrose Hill,) Brooklyn, N. Y Sirst, I claim the cunter b, the hear b1, adjusting screw $\mathbf{C}$, removable bear


 the manner and ior the purpose herein set forth.
63,174.-Process For Treativg Indian Corn.-E. F. Pren te clas, Philmadelphia, Pa, and C. C. Parsons, Boston, Mass posea aubstantiallv as described.
63,175.-Preparation from Indian Corn.-E. F. Prentiss Philadslphia, Pa., and C. C. Parsons, Boston, Mass. We claim the preparation from Indian corn, made substantially in the man 63,176.-Cotton Chopper.-Koscinsko Puckett, Parish of Morehouse, La.
 63,177.-Machine for Embossing Articles of Wearing Apparel.-George W. Ray, Springfield, Mass

 set fortu. Carpet Bag.-E. A. G. Roulstone, Roxbury Mass Iclaim in combinationwith the cornerg d, made by lapping the metai, the
ead e, exi endmg around these corners and along the angie or the frame
 63,179.- Carper Bag.-E. A. G. Roulstone, Roxbury, Mass.
 Aloo the reinforcement of the corner, by lea ving the gortng piece g, in the
省 rame, and turning it down against and so as to form part of the wall piece
s herein set forti and descrived. 63,180.-SIFTER
land, Maine.
 63,181.-Scrubbing Brush.-S. C. Rundlett and R. Dodge (assignor to themselves and John L. Meserve), Portland Maine.
and rubber bandf, ae and for the purposes set forih.
3,182.-Shafting Coupling.-Silas C. Schofield, Chicago Ill.
First, Claim providing the coupling forks or heads $B$, with gudgeons or
their

 63,183.-HEMP BRAKEs.-Simeon Sherman, W eston, Mo.

 63,184.-Means for Propelling Canal Boats.-Greenleaf Stackpole, New York, N. Y., assignor to himself and T
Spear, Jersey City, N. J., and Cyrus and Darius Cobb Spear, Jersey City, N. J., and Cyrus and
Boston, Mass. Antedated March 13, 1867
 63,185.-Piston PACELNG.-Theodore Thurber, Auburn


 pring a, alilconstructed
63,186.-Ironing Machine.-William M. Tobey, New London, Conn.


63,187.-Weather Strip.-L. W. Turner, (assignor to him self and G. S. Wilcox, Yalewville, Conn.
I claim the combination of the lever D, with two sections A B, pring E, 63,188.-Extension Ladder.-Calvin G. Udell, Chicago, Ill First, Cliam, in combination with a section or section of an extension second, 1 cliam the combination of the sections, A B, the catches, D, and
and bar, $\mathbf{C}$, arranged and operating substantially as described. 63,189.-Sand Traps for Water Pipes.-Joseph D. West, New York City
I cladm the ganze or pe
 bis,190.-Car Truck and Springs.-Levi H. West, Cambridge, Mass.
${ }^{\text {d }}$ dinim the combination as well as the arrangement of the additional levers,


 plied to such platiorm and the wneel box or boxes, the whole belng sub 63,191.-Machine for Shaving Hides.-T. F. Weston, Salem, Mass.
 63,192. - Harvester. - William N. Whitely, Jun., SpringHield, Ohio.


 Tirird. The combination and arrangement of the sector plate, C , car
standard, D, and standard, E , substanulally as describec. 63,193.-Froit Jar.-B. B. Wilcox, New Haven, Conn. IClain the yoke, D, and divided ring, C, in combination with a far, A, and
cover,
heren the foen constructed and arranged so as to operate in the manner bus,194.-TaEe-UP For Braiding Machines-Gilman K.
Winchester, Providence, R.. Winchester, Providence, R. I.
 63,195.-Compound for the Cure of Glanders etc., in Horses.-John Althouse, East Cocalico Township, Pa. I clain tue composition ormy powder for the cure of glanders and iarcy in
horbees, when comoined and admaistered substantially in the manner spepi-6is,196.-Stove-pipe Damper.-T. K. Anderson, Hornells-
 63,197.-MandFactide of Matcines.-Emery Andrews and We cain notching and disping the, cards. preparatory to cutting the
matches thereirom, substantianly as and or the purpose apecilted. 63,198.-Combined Steam and Air Engine.-John B. Atwater, Chicago, Ill.
With in traini voilier, and adatared por reating chamber, E, Which is combine
wituar, substantially as deocribed




 63,199.-Rotary Harrow.-Caleb Bates, Kingston, Mass.
 63,200.-Tree Digger.-Joseph H. Black, East Windsor, N. J.
ented and used in combination with the beams, A A, as and tor the puipose
set 1 torth,
ixi, 201 . öí,201.-Elegtro-Magnetic Apparatus for Registering Votes.-John Blackie, New York City.

 63,202.-Railroad Frog.-N. P. Bowler, Cleveland, Ohio. t claim making railroad tr ge by the
63,203.-Vent Peg and Valve for Casks.-Stephen Bourne, Headstone Drive Harrow, England

 63,204.-Door Lock.-Edward W. Brettell, Newark, N. J.
 Secont, The doo, a, attached to the lever, B, so as to act independently or
botn the bolt and the lock case, substantially asherein sbown and described. 63,205.-Shears for Brushes.-Charles Brombacher, New York City.
l cialm the triangular opening in the bed shear, a, in combination with the
Binding bade or dhear, hinged directly to the ghear, a, and acting as a
clamp and cutter, as specified. 63,206.-Instlator for Telegraph Wires.-David Brooks,
Philadelphia, Pa. Philadelphia, Pa
 63,207.-Rest for Grinding Tools.-James H. Brown Berea, Ohio.
 63,208.- Powder MIxer.-Jabez Burns, New York City.
 rollers, constructed and operacing sul stantar
forth.
63,209.-AIr Pump.-Daniel Carpenter, Peekskill, N. Y.


 and conical plugs,
and deccrlived.
foriaim the arrangementin the chamber, B, below the valve, E, of
the valve operating paits, substantially as and tor the purpose herenn shown
 63,210.-W WSHING MACHINE.-C. L Carter, Union, Ind.

pose herem speciiled.
63,211.- Broom HEAD.-Orlando L. Castle, Upper Alton, Ill.
Firat, Inime he He and employment of a spring, B, rorthe pnrpose and
operating substantiall anter the manner heretn eet orth.
 and for the purpose herelu set forti. mirst, $^{\text {man }}$ claim in a hay fica

 63,213.-Wood-turning Lathe.-James Chase, Rochester First, Y. Clat

 63,214.-Door Lock.-S. L. Chase, New York City.
 purpona eet fortriage, h, in the circular ward, substantially as and for the
 63,15.-APPARATCS For CArbireting Air, etc.-William H. Clarke, St. Anthony's Falls, Minn.


 63,216.-Churn.-Joseph C. Clymer, Galvin, Ohio.
 rorth ${ }^{\text {idm }}$ the channele, c, in a churn cover, arranged and operating as and for
the porpe desecribed. 63,217.-Breech-loading Fire-arm.-J. W. Cochran, New





 63,218.-METHOD OF OPERATING RAD
63,218.-Method of Operating Railroad Switches. Gilbert M. Cole, Folsom C.ty, Cal.






 63,220. - Machine for Soldering Metal Cans.-Edward T. Covell, Brookly, N. Y.
 63,221. - Amalgamator.-Francis W. Crosby, New York


 63,222 - Combded Suer How
222. - Combined SheEp Ho
M. Culver, Bedfora, Ohio.

Iclaing the sidesor fhe taple, , C , $L$, as arranged in combination with the
 63,223:-Carriage.-John Curtis, Cincinnati, Ohio.



 63,224.-Rollers for Pulverizing Soll and Clods. John Cluster, Corsica, Ohio.

 63,225.-SPINNING BobBINs.-J. Davis and S. W. Foster Lowell, Mass
 63,266.-Steam Generator.-R. W. Davis and D. Davis





 63,227.-A Atomatic Boiler Feeder.-Henry O. Demarest
New York City. I New York City
 63,228.-Hammer.-Ribert Devereaux, Buffalo, N. Y.
 ceive the plate, substantialy as set iorth. C. Dewitt, St. Louis, Mo.
 63,230 .-Locks.-Walter Dickson, Albany, N. Y.



 63,231.-Clothess Pis.-William M. Doty, New York City

resting apon cra
nerelin met for
63,232.-SAws.-J. E. Emerson, Trenton, N. J

 63,233.-Hoof Skirrs.-August Fellheimer, New York City.

63,234.-Hoor Scirt.-Lewis Fellheimer, New York City.


63,295.-Pumps.-Eli Flanegin and A. B. Smith, Pittsburgh,
 63,236.-Meat Slicer.-Albert M. Force (assignor to him

 63,237.- Hot Blast Apparatus for Furnace.-Job


63,238.-Evener for Whiffletree, etc.-Merritt Gally
 63,239.-Car Coupling.-J. B. German, Walnut Hills, Ohio
First, Iclat A, reverseily ho che besifreleasing are coupling, Composed of the draw head

 63,240.-Melting and Smelting Furnce.-Jacob Green,






 63,241.-GLLAss FunNACE.-Jacob Green, Norristown, Pa.



 63,242.-Lock For Trunk, etc.-Charles Gschwind and We claim the application to a lock of the dog, D .

 63,243.-Machinery for Niceing Screws.-N. B. Hadley Company.
 63,244.-Horse Hay Fork.-George W. Heath, Burlington
 63,245.-Passenger Register.-William Helffiricht, Phila
 second, Thecompiation or the roilter, C , with the spriug, $b$, tor the pur

 63,246.-Cotton Cultivator. - Richard B. Henderson


 the puiposese seet form. P .
 63,247.-Steam Gang Plow.-W. H. Heydrick, Chesnut

 ieriteci.

 63,248.-ELEVATOR.-Edward Hicks, North Hemstead, N. Y.
 Third, The arrangement ortne cross bar , ko t tht equivaleut for support

 63,249.-Mancfacture of Lead Foil Coated with Tin. Dauphin S. Hines, Brooklyn, N. Y. assignor to John J


63,250-Tool FOR COTTING OFF Boiler TUBES.-Peter
Hoffman, Jersey City, N. J.
 For the thar, e, to eope eerate forth.
63,251.-Hoisting Apparatus.-George L. and William M. Howland, Topsham, Me.




63,52. -CARRIAGE CLIP.- Elias Hoxir, Montexuma, N. Y.
 63,253.-Shirt Wire.-George W. Hubbell (assignor to himself, W. E. Houston, and J. R. Lattin), Birmingham Conn.
I clium ma ard or odra formed apon the wire from the same material with
which the wre 18 63,254.-Converting Motion.-Wm. H. Hurlbut, Elgin, Ill.


63,255 .-Non-condtcting Composition for Covering Boil ers, Ice Hodges, etc., to Impede the Pasgage of
Heat.-John Allcock Jones, Middlesboro on Tees, En-




63,256.-Manteacture of Vinegar.-Gerhard Kamps, Pitts-
 63,257. - Steam-Engine Lubricator. - Heinrick Kespley claum thity, Duchy of Nassau.
 63,258.- Press.- David King Aberdeen, Ohio.

 63,259 .-Apparatus for Drying Straw Board, Sheets


 63260-Gang Plow-H P Kynet
 63,261.-Machine for Pouncing Hats.-John L. Labiaux Newark, N. J., assignor to himself, C. Courtois, P. W.
Vail, and Wm. Criswold, Newark, N. J., and N. B. Day and Julius Sheldon, New York City. Je, and N. B.


 63,262.-Drill Spring For Quarriving Stone, etc.-Ebenexer G. Lamson, Shelburne Falls, Mass.


 63,263.-Embossing and Perforating Paper,etc.-Chas. Lang, New York City.

 63,264.-Water Ejector.-Henry S. Lansdell, New York

 63,265. - Machine for Mafing Paper Allemettes.-B. B.
Lehman. Lebanon, Pa. Lehman, Lebanon, Pa.


 63,266 - Peliey for Belting.-Moses Lewis and Samue

## Miller, Greenville, Conn

 63,267.-Cheese Box.-Nathaniel and Friend Lewis, Adams We $\mathrm{N} . \mathrm{Y}$. M .
 63,268 - Boat-detaceing Tactione
63,268.-BOAT-DETACHIN
Hamburg, Germany.

63,269.-LININENT.- John S. Lightner, Westford, Wis.
63,270.- Wire-pointing Machive.-John Lockwood, Wil
ton, Conn., assignor to himselt and Edwin Gilbert, Red ton, Conn., assignor to himselt and Edwin Gilbert, Red
 63,271 - - KEF.-C. E. Lombard (assignor to himself, A. O Sinclair, and C. C. Merritt), Springfield, Mass.
 63,272.-Clothes Wringer.-David Lyman, Middlefield



63,273.-Clothes Wringer.-David Lyman, Middlefield





63,274.-Table-Leaf Support.-John A. MacKinnon, Reading Pa.

63,275.-Metal Case for Spring Bolts.-Eli J. Manville, Waterbury, Conn., assignor to Turner, Seymour\& Judde Wolcott ville, Conn
 63, claim. - PLow.- Seth March, Norfolk, Va.
, and the weeder, aubstan
63,277. - CAR CoUPLING.-Arthur McCarter, Lancaster, Pa.



 63,278.-Swing.-John A. McClain, Philadelphia, Pa.


63,279. - Machine for Making Froit Baseets.- Henry Mellish, Walpole, N. H, assignor to David Lyman First, I I ciamim the catter, H, con tructed anbstantally




63,280.-Machinery for Cutting the Bottom of Fruit
Baskets.-Henry Mellish, Walpole, N. H., assignor to
David Lyman, Washington Whitney, and Gilman Waite


 63,281. - STram Enaine.-J. V. Merrich, Philadelphia, Pa
 second. The combination of the above with rods, $m^{\prime} m^{\prime}$. for the
gecined
$6,282$. . First, rlalm makling the horizontalarm, d, or the tand ard, D, adjustab

 die part or its sottom, sabestantialiy as herell shown and described.

63,284. STrilleer Cros Yosing and Sewer Inlet.-Joseph A
Miller New York City.



 63,285.-Packing for Piston Rods.-Wm. H. Miller, Phila Iclaim a new mann $\qquad$
 63,286.-Portable Boller for Pitch, etc.-Luke S. Mills, Brooklyn, N. Y. Y.


287. Heatio Store -

3, 287, - HEATING STove.-Geo. R. Moore, Lyons, Iowa.


63,288.- Farm Gate.-D. S. Neal (assignor to himself and
I clalm a rectanguiar kate the bars of

63,289.-Ship's Davit and Winch.-D. P. Nickerson, Cleve-

63,290.-Field Fence.-A. W. Olds, Green Oak, Mich.

63,291.- Safety Attachment for Pocket Books.-Simon
B. Parker, New York City.

deecribed. BootJack.-Walter S. Piffer, Carlisle, Pa.

63,293.-Water-tight Iron Tank for the Protection of the Timbers of Steak Boats.-Abraham G. Polha-
mens, Nyack, N. Y. Ye water-tight ifon tanks In whick a re matn-
and frarnaees on steam boats, to protect them agalnst are, sabstantlally a
herefo deseribed.

 63,295.-Door Lock.-E. D.Porterand G. W. Hallett, Water-

 63,296.-Fence.-Aaron W. Pratt, Pulmeyville, N. Y
 scribed.-Bridle Bit.-Joshua C. Price, New Philadelphia, $\xrightarrow{\text { Ohino. }}$

63,298.-Composition for Destroying Insects.-Daniel R. Prindle, East Bethany, N. Y
the alam the composition of
63,299 -He herelin specilied
63
bu, any - Hrdraulic Paint.-Daniel R. Prindle, East Beth
 In co bination with the above $I$ also clalm the use of linseed flour, as set 63,300.- Process of Preserving Wood and Timber. -
Daniel R. Prindle East Bethany, N. Y.

 63,301.-Ironing Machine.-P. O'Thayne, New York City

 63,302. W ATER GATE.-Henry Recher, Liberty, Ohio
 63,303.- Breech-ladding Fire-Arm.-Thomas Restell, Lon-

York Citr Antedted
 63,304.-LEmON SQLEEZER.-August J. T. Reuter, Boston,
Mass. Antedated March 18, 1867 . Mass. Antedated March 18, 1867 . clatm a
63,305.-SAFE Lock.-John R. Richards (assi nor to himself

 63,306.-Sash Fastener.-Orville M. Ridgway, La Porte, I llaim the comblnation of the metalluc eprlng, C.rabber block, D, When the parpose especifeed.
63,307.-LEATHER Scouring Machine.-A. W. Roberts (as
 Second th tomb yith the guide ways, $\mathrm{B}^{3}$, subs tantially a deecribed.




 Eifhth, Iolaam arranging the arms, $\mathbf{H}$ ', upon an Independent shaft, H,

 63,308.-Tool Handle.-Wm. Runte, New York City
 63,309-W Waon.-Beij. Ryder, Jr., South Covington, Me.
 the wagon body. 63,310.-Tobacco Pipe.-Louis Saarbach, Philadelphia, Pa. ch clialm the tube, c, in comblnation with the capp, D, for the parpose de-
coi,311.-Fire-Proof Safe.-Rufus S. Sanborn, Ripon, Wis.

 63,312.-Wagon Brake.-B. B. Scofield, Woodhull, Ill.
 63,313.-Bed Вотtom Spring.-H. G. Seekins (assirnor to himself Leonard
Lillyria Ohi. Griffng, and Orange S. Frary), Slyria, Ohio.
 63,314.-Soap Compound for Cleaning and Scouring
 63,315.-Folding Seat.-C.'W. Sherwood, Chicago, Ill.
 63,316.-Flour Sifter.-J. A. Sinclair (assi nor to himself



 63,317.-WInDow Blind FAsTENING.- Thomas J. Sloan


 63,318.-Self-acting Gate.-Albert C. Smith, Fort Madi son, Iowa.
 63,319. -DRILLING APpARATVS.- J. T. Smith, Pittaburg, Pa.


 $63,320 .-$ Rice Huluing Machine.-D. H. South worth, New
 63,321.-Lantern.-Charles F. Spencer, Rochester, N. Y assignor to himself and Charles W. Barker.


 63,322.-Riling Saddle.-Samuel B. Spurgin, Jacksonville, Ill.
 63,323.-BREAsT Protecror.-John Stadermann and Henry We claumerbier, New York City.

 63,34.- PavEMENT.-C. W. Stafford, Saybrook, Conn.
 63,325.-Rebervoir for Cooling Grain and Flour.Henry Stanley, , St. Johnnbuury, Vt.
claim a resergoir

 63,326.-Apraratbe for Carburetring Gas and Air.John S. Stephenson, Cleveland, Ohio
 63,327.-Drying House and Oven.-David Stouter, Dayton,
Ohio. Thio

 63,328.- Vitreography.-C. C. Stremme, Austin Texas.

 $63,329 .-$ Runner for Chains.-W. H. Stroup, Pittsburgh,

 63,380.-Spring for Vehicle.-James B. Stuart, Bunker Hill, Ill.

 63,331.-Apparates for Preparing Mash for Brewers
and Distilets.-Abram ${ }^{\text {St }}$. Swartz (assignor to him-
self and W. A. Case), Buffalo, N. Y.



 63,332.-HAT Loader.- Eli Sweet, Whitney's Point, N. Y. Y.
 63,333. - BRICE MACBNEE. - Prter L. Sword, Adrian, Mich.




 63,334.-Splitit Meter and Separator.-Isaac P. Tice, New












 63,335.-SPIRIT METER or Separator.-Isaac P. Tice, New York City. MeIER of SEPARATOR.-Isaac P. Tice, New
First, Iclalm arevolving or tilting meter, hung or, sugpended on Journal







 62,336.-Meter Attachment for Stills.-Isaac P. Tice New York City
 63,337. N . Y . Rallway Switce. - James Tillinghast, Buffalo

 63,338.-Drill for Well.-Washington Tingley, New York
 nade nom inai,
3,339.-Manufacture of Railroad Ties, Bridges, Buildings, Wharfes, Fences, anjo other Articles of Galfanized Iron.-Samuel P. Townsend, New Providence, First, It clat


 63,340.-SAw MilL.-James Tracy, Brewer's Village, Maine. githe frictlon pulleys ont of contect
63,341.-Endless Belt for Polishing.-Justus A. Trant,
New Britain, Conn., assignor to himself and Jeremy W. Bliss, Hartford, Conn.
I claim, as a new improved article of ma
polishing belt, substantially as described.
63,342-Peat Maceine The Jt Minn.

 63,343.-Fan Wheel Blower.-Amos Westcott, Syracuse 63,343.-FAN W iEEEL Blower.-Amo
N. Y. Antedated March 15, 1867.
Iclat ar an wheel blower, propelled by friction whels, as shown and in-
closed mithn the parts, A JB, consiracted and made adjustable, substan tially
in the manner described. 63,344.-Device For Holding Horses.-James M. Whiting,
Providence R. I. Providence, R. I.



 63,345.-Horse Hay Fork.-A. F. Wicke and O. Evans, We clalm the rod A, foo
 63,346.-Heel Shaving Guard.-J. E. Wiggin, and Daniel First. Wre clatim, Sthe combinam, Mass.
pin, B, Whe the tho are constructed substantiaily in the manner deescribed.
Second, We clawo the device of the Second, We clailm the denice of the baban and the tooket jornt when com
blned with the guard and center of a heiltrimming machine.
63,347.-axle Tree.-James W. Wilkie, Auburn, N. Y First I clalm constracting the axle withont a acollar, and providing it on
the ruderside of the arm, with an ooll chamber, as and for the purpose se
forth. Becond, The combination of the axle and box, when both are constructed
as and for the purpose described, 63,348. - Axle Tree.- James W. Wilkie, Auburn, N. Y.
 Thilr as set forth.
63,349.- STEAM Plow.-George Willard, New York City.







 63,350.-Method of Securing Cutter to Sickle Bar.C. S. Williamson, Covert, N. Y.

63,351.-Valve for Steam Engine.-James A. Woodbury,
Boston, Mass.

ductive valveg, so as to cat off the steam'at any desired part of the str ke o
the plyton, withont refrerence to exhanat vale
63,352.-VALVE FOR STEAM ENGINE,-James A. Woodbury

63,353.-Loom.-Caspar Zwicki, Chicago, Ill., assignor to
James J. Walworth, and Gustavus E
James J. Walworth, and Gustarus E. Baschick.




## RE-ISSUES.

, 524.-Composition for Roofing.-John P. Cowing, Seneca Falls, N. Y. Patented Feb. 19,1867 .
I clamm the stmple componnd of ground dre clay rock, or slaty clay and coas tar. as specitied. Pencil CABE.-Lawrence A. Heely, New York City by mesne assignments of Frederick $W$. Cox. Patented June 27, 1865.





 ,526. - Warp-Dressing Frame. - Alexander M. Damon, Lowell, Mass. Patented October 9,1866 .

 2,527.-Machine for Cutting and Finishing Shoe Heeles. assignees by mesne assignments of William F. Edson. Patented Sept. 6, 1859 .





2,528.-SPELling Block.-Samuel L. Hill, Williamsburg, N. Y., assignor to himself, Albert Palmer and A. Sidney
Doane. Patented Oct 12, 1858 First, I clatm Placing different letters ot the

 Segbaur ope Machine.-George H. Reay, and Lewis Negbaur, New York City, assignees by mesne assign-
ments of George H . Reay.










 2,530.-Steam Pump.-Louis C. Rodier and J. R. Gardiner, Springfield, Mass, assignees of Louis C. Rodier. Pat ented Aug. 14, 1866 .


 2,531.-machine for attaching and Finishing Boot HeEls.-The McKay Heeling Machine Company, BosSaloshinskky. Dated Jan. 31, 1860.

 m,532.-BrICE MACHINE.-- Porter L. Sword, Adrian, Mich.
2, assignee by mesne assignments of himself and George $S$





 ,533.-Brick MAchine.-John Watson, Buffalo, N. Y., as signee by mesne assignments of himself. Patented June
5,1866 .

 2,534. - Roller Temple for Looms.-Henry Kayser, New 1866 City, ussignee of J. Mathis Patented April 24,

 DESIGNS.
2,606.-Parlor Stove.-C. Harris and P. Wi Zoiner, Cin-2,007.- nati, Ohinteress Type.-Andrew Little, New Yark City.


